

Title (en)

FREE-FLOWING FOAM PARTICLES AND FIRE-RESISTANT PARTICLE FOAM MOLDINGS

Title (de)

FLIESSFÄHIGE SCHAUMPARTIKEL UND FLAMMFESTE PARTIKELSCHAUMFORMTEILE

Title (fr)

PARTICULES DE MOUSSE À ÉCOULEMENT LIBRE ET MOULAGES EN MOUSSE DE PARTICULES IGNIFUGES

Publication

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Application

EP 20754292 A 20200818

Priority

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Abstract (en)

[origin: WO2021032738A1] Free-flowing coated foam particles based on thermoplastic polymer foam particles, wherein the coating comprises: (A) from 10 to 50 wt.-% of an aminoplast resin, (B) from 10 to 50 wt.-% of intumescent powder, selected from ammonium phosphate and expandable graphite, (C) from 0 to 20 wt.-% of water, (D) from 0 to 10 wt.-% of an acidic hardener, selected from hydrochloric acid, sulfuric acid, phosphoric acid, nitric acid, formic acid, acetic acid, oxalic acid, toluene sulfonic acids, amido sulfonic acids and acid anhydrides, (E) from 0 to 5 wt.-% of an organic additive, selected from organic fillers, dyes, pigments, surfactants or plasticizers different from components (A) and (D), (F) from 0 to 50 wt.-% of an inorganic filler, selected from pigments and minerals different from component (B), and process for producing such free-flowing coated foam particles and fire-resistant particle foam moldings obtainable by steam-chest molding of the free-flowing coated foam particles.

IPC 8 full level

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